

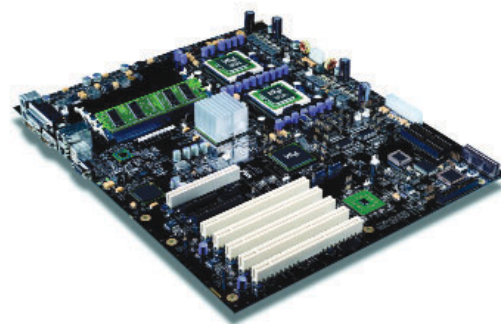


Intel in  
Communications

# Intel® Xeon™ Processor with 800 MHz System Bus, Intel® E7520 Chipset, and Intel® 6300ESB ICH Development Kit

## Product Overview

The Intel® Xeon™ Processor with 800 MHz System Bus, Intel® E7520 Chipset, and Intel® 6300ESB I/O Controller Hub (ICH) Development Kit provides an excellent choice for developers of storage and high-end enterprise communications applications. It is populated with two Intel Xeon processors 3.2 GHz with 800 MHz system bus, and the Intel® Extended Memory 64 Technology. The system board showcases PCI Express\* IO technology. This and other development kits from Intel provide a fully working system with a range of performance options which can be modified or used immediately for product development. These development kits also provide a validated board platform for software vendors to test BIOS and operating system software.



## Product Highlights

### Evaluation Board

- Two Intel Xeon processors 3.2 GHz with 800 MHz system bus, featuring the Intel Extended Memory 64 Technology and 1 MB of L2 Cache. The board is a dual-processor-supported platform. The system board is also capable of supporting the Low Voltage Intel Xeon processor 2.8 GHz with 800 MHz system bus.
- Intel E7520 MCH with 512 MB DDR2-400 memory expandable to 8 GB. Supports PCI Express ports in the x4 and x8 configuration.
- Intel 6300ESB ICH
  - PCI-X 64 (66 MHz), PCI, USB 2.0, SATA/150, ATA/100
  - Integrated dual-stage watchdog timer
  - Integrated UARTS

### Board Peripheral Features

- Super I/O for legacy peripheral support
- Three PCI-X compatible slots from the Intel® 6700PXH
- Two PCI-X compatible slots from the Intel 6300ESB
- One PCI 32/33 MHz compatible slot from the Intel 6300ESB
- Two PCI Express ports x4, x8

### User-Accessible On-Board Connectors

- PS/2 mouse, keyboard, serial/parallel port
- VGA
- Four USB 2.0 ports
- Two SATA connectors
- Primary and secondary IDE connectors
- One 32-bit PCI slot
- Three 64-bit PCI-X slots from the 6700PXH
- Two PCI-X slots from the 6300ESB ICH
- One x4 PCI Express connector
- One x8 PCI Express connector
- ITP-XDP connector
- Four angled DDR2 DIMM slots
- Floppy connector
- SSI power connector

**Included in the Kit**

- Development board
- CPU thermal solution
- Two Intel Xeon processors 3.2 GHz with 800 MHz system bus
- Two 256 MB, DDR2-400 MHz DIMMs
- IDE blank hard drive
- IDE cable
- SSI power supply
- CD with Intel® drivers to enable Linux\* and Windows\*
- Users Manual

**Software Overview**

In order to provide customers with a complete development environment in the development kit, Intel works to help provide and/or enable the platform to work with customer applications and operating systems. Any software/firmware provided in the kit is subject to change without notice. For the most recent updates, please refer to the Intel Xeon Processor with 800 MHz System Bus, Intel E7520 Chipset, and 6300ESB ICH Development Kit Web site at <http://developer.intel.com/design/intarch/devkits/index.htm>

**Development Kit Ordering Information**

EIDX7520DEVKIT

**Intel Access**

Developer's Site:	<a href="http://developer.intel.com">developer.intel.com</a>
Embedded Intel® Architecture Home Page:	<a href="http://developer.intel.com/design/intarch">developer.intel.com/design/intarch</a>
Intel® Technical Documentation Center:	<a href="http://www.intel.com/go/techdoc">www.intel.com/go/techdoc</a> (800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada)  International locations please contact your local sales office.
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For more information, visit the Intel Web site at: [developer.intel.com](http://developer.intel.com)

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